

## Method and installation for the production of hot-rolled strip having a dual-phase structure

## Results of industrial test program

Industrial test production heat	Sample no.	Hot strip thickness width	Strip temperature after test finishing stand $T_{\text{fin}}$	Delivery speed	Holding time $T_{\text{hold}}$	Coiling temperature in MPa	Mechanical properties			Transverse sample flex					
							Longitudinal sample piece	Yield strength in MPa	Tensile strength in MPa	Ratio yield strength to tensile strength in %	Fracture elongation in %	Yield strength in MPa	Tensile strength in MPa	Ratio yield strength to tensile strength in %	
A	A1	2,8	1300	800-815	5,6	2,96	300	326	659	0,53	23	317	620	0,51	21
	A2	2,6	1280	800-815	5,7	2,32	300-320	323	621	0,52	23	335	629	0,53	21
	A3	2,6	1260	800-815	5,7	2,32	300-320	319	606	0,53	27	329	604	0,54	23
B	B1	2,2	1260	800-815	6,1	2,16	260-300	-	-	-	-	324	572	0,57	24
	B2	2,1	1254	800-815	6,4	2,06	300/315/360	384	684	0,66	18	399	597	0,67	17

\*<sup>a</sup>) Successful operation.  
\*\*<sup>b</sup>) Not successful operation (Tensile strength and fracture elongation lost).

Heat	C	Mn	Si	Cr	C <sub>eqn.</sub>
A	0,068	1,13	0,406	0,614	0,025
B	0,061	1,16	0,371	0,273	0,036